**Course: \_\_\_Math 6\_\_\_ CCSS Standard Number(s): 6NS4 Day: 1**

**Unit # and Title: Properties and Expressions Lesson Title: GCF Block(s)/Period(s): 1 2 3 4 5 6**

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| **Unit Essential Question(s):** | **How are variables used in math?**  **How can we generate equivalent expressions?** | | |
| **Learning Target(s)**  **“I can statements”** | **I can find factors of any given number.**  **I can find the GCF of any two numbers.** | | |
| **Essential Vocabulary** | **Factor, greatest common factor (GCF)** | | |
| **Resources and Materials** | **Teacher** | | **Student** |
| **GCF App purchase**  **OnCore book**  **Glencoe Text** | | **Ipod**  **OnCore book** |
| **8 Mathematical Practices:** | | | |
| X 1. Make sense of problems and persevere in solving them.  2. Reason abstractly and quantitatively.  3. Construct viable arguments and critique the reasoning of others.  X 4. Model with mathematics. | | X 5. Use appropriate tools strategically.  X 6. Attend to precision.  X 7. Look for and make use of structure.  8. Look for and express regularity in repeated reasoning. | |
| **Activating Strategy**  **(Opening Activity)** | **Find common items around room/school. Take pictures with ipods.**  **Share with class. Discuss common definition.** | | |
| **Cognitive Teaching Strategies**  **Me/We/Few/You**  **(TIP-Teacher input**  **SAP-Student actively participates**  **GP – Guided Practice**  **IP-Independent Practice)** | **Me: Introduce Factors, Venn Diagram to show GCF.**  **We: Try to find GCF individually and check with neighbor. Use Venn Diagram.**  **Examples/Help: Explore P 23 On Core**  **Few: Ex2 OnCore**  **You: OnCore p. 26 (1-17)** | | |
| **Summarizing Strategy**  **(Closing Activity)** | **Journal: Explain how to find the GCF of two numbers.** | | |
| **Assessment/Homework** | **Finish page 26** | | |
| **Extending/Refining** | **5-1 Word Problems (Glencoe)**  **Where can GCF be used outside of school, in the real world.** | | |